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3. Document Type:

- ☒ Letter
☐ Memorandum
☐ Report
☐ Publication
☐ Other (Specify)

a. If letter or memo:

To: D. R. Johnson, HP Div., ORL
From: R. R. Landolt, H&S Branch, AED, Phillips
Petroleum Co.; RRL-4-64A
Subject: REPLY TO OAK RIDGE MONITORING
REQUEST

b. If report:

Title:

4. Document Date:

Jan 30, 1964

c. If publication:

Name:

Volume:

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5. Summary (2-3 lines indicating the major subject(s) of the document): ORL had requested that neutron and gamma monitoring be done using their dosimetry equipment. R. R. Landolt replies with expected neutron fluence, prompt and total gamma from first (SNAPTRN-3) and second tests (SNAPTRAN-2). Fluence is probably too low from -2 test to be of interest to OR.

6. Name and telephone number
of person completing form:

Burton R. Baldwin
(208) 525-0203

7. Organization:

Lockheed Idaho
Technologies Co.

8. Date:

March 31, 1995

☐ Check here if a copy of the document is being sent to Headquarters.

HUMAN RADIATION EXPERIMENTS

RECORDS PROVENANCE FORM

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DOCUMENT TITLE: REPLY TO OAK RIDGE MONITORING REQUEST

CROSS REFERENCES:

ITEMS OF INTEREST:

RECEIVED	
CF H & S	
FEB 17 1964	

Idaho Falls, Idaho

January 30, 1964

Reply to Oak Ridge
Monitoring Request
RRL-4-64A

Mr. D. R. Johnson
Health Physics Division
Oak Ridge National Laboratory
Post Office Box X
Oak Ridge, Tennessee

REPOSITORY INEL
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FOLDER Reply to Oak Ridge Monitoring Request

Dear Mr. Johnson:

Received your letter and am writing this to tell you that our destructive test schedule has been changed. We plan to have the first destructive test early in March, 1964. This will be a water immersion destructive test rather than a bare destructive test.

Because of the considerable amount of water and concrete shielding during the transient, the neutron fluence will be comparatively low. We calculate approximately 2.5×10^3 n/cm² on the outside of the water tank, which is probably too low for you to be interested in measuring with your neutron dosimeters. The total gamma-ray dose from the transient will probably be about one rem on the outside of the tank. The total gamma-ray dose to one hour after the test will probably be between 10^3 and 10^4 rem at the same locations. These gamma-ray doses might be of interest for you to measure.

The SNAPTRAN-2/10A-1 unshielded destructive test has been postponed until the spring of 1965. This test is expected to produce much greater gamma-ray and neutron doses and would probably be of more interest to you.

I distributed this letter to the STEP Operations people and they had only one comment. They want to know if there would be any monetary charges to STEP for the monitoring you want to do.

Very truly yours,

Robert Landolt
Assistant Health Physics Supervisor
Atomic Energy Division

RRLandolt:jj

cc: Mr. D. R. Johnson

bcc: Mr. M. H. Bartz
Mr. J. W. McCaslin
Mr. J. F. Sommers
Mr. O. L. Cordes
Mr. T. R. Wilson
File